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DATE: Wednesday, June 02, 2004

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L13	L8 and 167	81
<input type="checkbox"/>	L12	L11 not 110	1
<input type="checkbox"/>	L11	L8 with 203	1
<input type="checkbox"/>	L10	L8 with 202	1
<input type="checkbox"/>	L8	L7 with(muta\$ or variant or modifi\$)	251
<input type="checkbox"/>	L7	gfp with victoria	640
<input type="checkbox"/>	L5	L4 and (mutas\$ or variant or modifi\$)	808
<input type="checkbox"/>	L4	gfp and victoria	824
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L3	5625048.pn.	1
<input type="checkbox"/>	L2	6319669.pn.	1
<input type="checkbox"/>	L1	6066476.pn.	1

END OF SEARCH HISTORY

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and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
CA/CAPLUS
NEWS 5 FEB 05 German (DE) application and patent publication number format
changes
NEWS 6 MAR 03 MEDLINE and LMEADLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS 12 APR 26 PROMT: New display field available
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field
available
NEWS 14 APR 26 LITALERT now available on STN
NEWS 15 APR 27 NLDB: New search and display fields available
NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May
and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20 May 17 FRFULL now available on STN
NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004
Conference
NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient patent
SDIs in CAPLUS
NEWS 23 May 27 CAPLUS super roles and document types searchable in REGISTRY
NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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=> s gfp and victoria
L1 2386 GFP AND VICTORIA

=> s gfp (5a) victoria
L2 1968 GFP (5A) VICTORIA

=> s l2 (5a) (muta? or modifi? or variant)
9 FILES SEARCHED...
L3 183 L2 (5A) (MUTA? OR MODIFI? OR VARIANT)

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 68 DUP REM L3 (115 DUPLICATES REMOVED)

=> d 1-10

L4 ANSWER 1 OF 68 MEDLINE on STN DUPLICATE 1
AN 2004101182 IN-PROCESS
DN PubMed ID: 14990950
TI The molecular properties and applications of Anthozoa fluorescent proteins and chromoproteins.
AU Verkhusha Vladislav V; Lukyanov Konstantin A
CS Department of Pharmacology, University of Colorado Health Sciences Center, 4200 East Ninth Avenue, C236, Denver, Colorado 80262, USA..
vlad.verkhusha@uchsc.edu
SO Nature biotechnology, (2004 Mar) 22 (3) 289-96.
Journal code: 9604648. ISSN: 1087-0156.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20040302
Last Updated on STN: 20040313

L4 ANSWER 2 OF 68 MEDLINE on STN DUPLICATE 2
AN 2004198436 MEDLINE
DN PubMed ID: 15095136
TI Fluorescent proteins in poplar: a useful tool to study promoter function and protein localization.
AU Nowak K; Luniak N; Meyer S; Schulze J; Mendel R R; Hansch R

CS Institut fur Pflanzenbiologie, Technische Universitat Braunschweig,
 Braunschweig, Germany.
 SO Plant Biol (Stuttg), (2004 Jan-Feb) 6 (1) 65-73.
 Journal code: 101148926. ISSN: 1435-8603.
 CY Germany: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200405
 ED Entered STN: 20040420
 Last Updated on STN: 20040520
 Entered Medline: 20040519

L4 ANSWER 3 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2003:559312 BIOSIS
 DN PREV200300562343
 TI Mutants of Green Fluorescent Protein.
 AU Evans, Krista [Inventor, Reprint Author]
 CS Germantown, MD, USA
 ASSIGNEE: Invitrogen Corporation
 PI US 6638732 October 28, 2003
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Oct 28 2003) Vol. 1275, No. 4. <http://www.uspto.gov/web/menu/patdata.html>
 . e-file.
 ISSN: 0098-1133 (ISSN print).
 DT Patent
 LA English
 ED Entered STN: 26 Nov 2003
 Last Updated on STN: 26 Nov 2003

L4 ANSWER 4 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2003:496353 BIOSIS
 DN PREV200300496438
 TI Fluorescent protein sensors for measuring the pH of a biological sample.
 AU Tsien, Roger Y. [Inventor, Reprint Author]; Miyawaki, Atsushi [Inventor];
 Llopis, Juan [Inventor]
 CS ASSIGNEE: The Regents of the University of California
 PI US 6627449 September 30, 2003
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Sep 30 2003) Vol. 1274, No. 5. <http://www.uspto.gov/web/menu/patdata.html>
 . e-file.
 ISSN: 0098-1133 (ISSN print).
 DT Patent
 LA English
 ED Entered STN: 22 Oct 2003
 Last Updated on STN: 22 Oct 2003

L4 ANSWER 5 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2003:422066 BIOSIS
 DN PREV200300422066
 TI Fluorescent protein sensors for measuring the pH of a biological sample.
 AU Tsien, Roger Y. [Inventor, Reprint Author]; Llopis, Juan [Inventor];
 Wachter, Rebekka M. [Inventor]; Remington, S. James [Inventor]
 CS La Jolla, CA, USA
 ASSIGNEE: University of California
 PI US 6608189 August 19, 2003
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Aug 19 2003) Vol. 1273, No. 3. <http://www.uspto.gov/web/menu/patdata.html>
 . e-file.
 ISSN: 0098-1133 (ISSN print).
 DT Patent
 LA English
 ED Entered STN: 10 Sep 2003
 Last Updated on STN: 10 Sep 2003

L4 ANSWER 6 OF 68 LIFESCI COPYRIGHT 2004 CSA on STN DUPLICATE 3
 AN 2003:109671 LIFESCI
 TI Expansion of the Genetic Code Enables Design of a Novel 'Gold' Class of
 Green Fluorescent Proteins
 AU Hyun Bae, J.; Rubini, M.; Jung, G.; Wiegand, G.; Seifert, M.H.; Azim,
 M.K.; Kim, J.; Zumbusch, A.; Holak, T.A.; Moroder, L.; Huber, R.; Budisa,
 N.*
 CS Max-Planck-Institut fur Biochemie, Am Klopferspitz 18A, D-82152
 Martinsried, Germany; E-mail: budisa@biochem.mpg.de
 SO Journal of Molecular Biology [J. Mol. Biol.], (20030516) vol. 328, no. 5,
 pp. 1071-1081.

ISSN: 0022-2836.
DT Journal
FS G
LA English
SL English

L4 ANSWER 7 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2003-06116 BIOTECHDS
TI New mutant Aequorea victoria green fluorescent protein sensitive to oxidation-reduction, useful for determining or monitoring redox status and pH in cellular compartment, and as markers for transformation of mammalian cells;
vector-mediated gene transfer and expression in host cell for recombinant protein production for use in disease diagnosis and prognosis

AU REMINGTON J S; HANSON G T
PA UNIV OREGON STATE
PI WO 2002077011 3 Oct 2002
AI WO 2002-US7374 11 Mar 2002
PRAI US 2001-302894 3 Jul 2001; US 2001-275200 12 Mar 2001
DT Patent
LA English
OS WPI: 2003-029911 [02]

L4 ANSWER 8 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2002-12289 BIOTECHDS
TI New autofluorescent fusion protein, useful for determining protease and protease-inhibiting activity, comprises two different proteins linked by protease cleavage site;
green fluorescent protein deRed fusion protein production in Escherichia coli

AU KUHLEMANN R; KOLTERMANN A; KETTLING U; SCHWILLE P
PA DIREVO BIOTECH AG
PI WO 2002012543 14 Feb 2002
AI WO 2000-EP9112 7 Aug 2000
PRAI DE 2000-1038382 7 Aug 2000
DT Patent
LA German
OS WPI: 2002-269094 [31]

L4 ANSWER 9 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2003-16582 BIOTECHDS
TI A method for detection of abnormal gene by binding cDNA of green fluorescent protein (GFP) with a DNA of suspected abnormal gene and analysis of the expression fluorescent band with electrophoresis;
gene mutation detection for use in disease diagnosis

PA KATAYAMA KAGAKU KOGYO KK
PI JP 2002320483 5 Nov 2002
AI JP 2001-129457 26 Apr 2001
PRAI JP 2001-129457 26 Apr 2001; JP 2001-129457 26 Apr 2001
DT Patent
LA Japanese
OS WPI: 2003-423987 [40]

L4 ANSWER 10 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2003-07684 BIOTECHDS
TI Use of autofluorescent proteins for protecting plants against damaging effects of ultra-violet B radiation, also for characterization of transgenic plants;
the use of autofluorescent protein in transgenic plant construction

AU WIEDENMANN J
PA WIEDENMANN J
PI DE 10124057 21 Nov 2002
AI DE 2001-1024057 16 May 2001
PRAI DE 2001-1024057 16 May 2001; DE 2001-1024057 16 May 2001
DT Patent
LA German
OS WPI: 2003-168764 [17]

=> d 3, 4, 7 ab

L4 ANSWER 3 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AB The present invention provides ****mutants**** of the Green Fluorescent Protein (****GFP****) of Aequorea ****victoria**** . Specifically provided by the present invention are nucleic acid molecules encoding

mutant GFPs, the mutant GFPs encoded by these nucleic acid molecules, vectors and host cells comprising these nucleic acid molecules, and kits comprising one or more of the above as components. The invention also provides methods for producing these mutant GFPs. The fluorescence of these mutants is observable using fluorescein optics, making the mutant proteins of the present invention available for use in techniques such as fluorescence microscopy and flow cytometry using standard FITC filter sets. In addition, certain of these mutant proteins fluoresce when illuminated by white light, particularly when expressed at high levels in prokaryotic or eukaryotic host cells or when present in solution or in purified form at high concentrations. The mutant GFP sequences and peptides of the present invention are useful in the detection of transfection, in fluorescent labeling of proteins, in construction of fusion proteins allowing examination of intracellular protein expression, biochemistry and trafficking, and in other applications requiring the use of reporter genes.

L4 ANSWER 4 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AB Disclosed are fluorescent protein sensors for measuring the pH of a sample, nucleic acids encoding them, and methods of use. The preferred fluorescent protein sensors are *****variants***** of the green fluorescent protein (*****GFP*****) from Aequorea *****victoria***** . Also disclosed are compositions and methods for measuring the pH of a specific region of a cell, such as the mitochondrial matrix or the Golgi lumen.

L4 ANSWER 7 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AB DERWENT ABSTRACT:
NOVELTY - A *****mutant***** Aequorea *****victoria***** green fluorescent protein (*****GFP*****) having a fluorescence spectrum that is sensitive to redox status, where at least one of the residues at position 147 or 149, and at least one of the residues at position 202 or 204, is mutated from the wild-type amino acid to cysteine, is new.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: (1) an isolated or recombinant nucleic acid molecule encoding the mutant GFP and is functionally linked to a promoter; (2) a host cell comprising the nucleic acid molecule; and (3) analyzing an oxidation-reduction condition of or in a cell, comprising expressing the mutant GFP in the cell and measuring a fluorescence signal from the mutant GFP.

WIDER DISCLOSURE - Also disclosed as new is the kit containing at least one mutant GFP and/or the nucleic acid molecule, including written instructions, in one or more container(s).

BIOTECHNOLOGY - Preferred Protein: The mutant green fluorescent protein is selected from GFPs in which residue 147 and 202, 147 and 204, 149 and 202, and 149 and 204 are each cysteine. The mutant GFP further comprises a mutation at positions 65 and 48, where the mutation is S65T and C48S, respectively. The fluorescence spectrum is also pH sensitive. In addition, the mutant protein comprises mutations N149C, S202C, Q204C and S147C compared to wild-type GFP. The mutant GFP comprises any of the 6 sequences having 238 amino acids fully defined in the specification. Preferred Nucleic Acid: The nucleic acid comprises an expression control sequence. Preferred Host Cell: The host cell is a bacterial cell, a plant cell, an animal cell or a mammalian cell. Preferred Method: In analyzing an oxidation-reduction condition of or in a cell, the mutant GFP is expressed as a fusion protein. The method further comprises analyzing a pH condition of or in the cell using the mutant GFP.

USE - The protein is useful in determining the oxidation-reduction (redox) status of an environment, such as the environment within a cell or subcellular compartment. In addition, the protein may be used in monitoring pH concurrently with the redox status, and as markers for transformation of mammalian cells. The kit may be used for diagnosis or prognosis of a disease or other condition associated with a change in the redox status of the cell or subcellular compartment.

EXAMPLE - No relevant examples given. (70 pages)

=> d 11-20

L4 ANSWER 11 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:832828 HCAPLUS

DN 137:334476

TI Preparation of green fluorescent protein mutants with enhanced fluorescence for use as reporter proteins

IN Stubbs, Simon Lawrence John; Jones, Anne Elizabeth; Michael, Nigel Paul; Thomas, Nicholas

PA Amersham Biosciences UK Ltd., UK
SO PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002085936	A1	20021031	WO 2001-GB4363	20010928
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	GB 2374868	A1	20021030	GB 2001-23288	20010928
	GB 2374868	B2	20030709		
	US 2003175859	A1	20030918	US 2001-967301	20010928
	EP 1381625	A1	20040121	EP 2001-972260	20010928
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	GB 2001-9858	A	20010423		
	WO 2001-GB4363	W	20010928		
RE.CNT	7	THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD			
	ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L4 ANSWER 12 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:960671 HCAPLUS
DN 138:35759
TI Fluorescent protein sensors containing phosphorylation sites introduced by N-terminal mutagenesis
IN Cubitt, Andrew B.
PA Aurora Biosciences Corporation, USA
SO U.S., 49 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6495664	B1	20021217	US 1998-129192	19980724
	US 2003170767	A1	20030911	US 2002-293580	20021112
PRAI	US 1998-129192	A1	19980724		
RE.CNT	126	THERE ARE 126 CITED REFERENCES AVAILABLE FOR THIS RECORD			
	ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L4 ANSWER 13 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:841090 HCAPLUS
DN 137:334472
TI Modified green fluorescent protein E2GFP and cDNA and use of E2GFP in optical memory circuits
IN Beltram, Fabio; Cinelli, Riccardo; Ferrari, Aldo; Giacca, Mauro; Pellegrini, Vittorio; Tyagi, Mudit
PA Istituto Nazionale per la Fisica della Materia, Italy; International Centre for Genetic Engineering and Biotechnology
SO Ital. Appl., 53 pp.
CODEN: ITXXCZ
DT Patent
LA Italian
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	IT 2000T00772	A1	20020204	IT 2000-T0772	20000802
	IT 1320791	B1	20031210		
PRAI	IT 2000-T0772		20000802		

L4 ANSWER 14 OF 68 MEDLINE on STN DUPLICATE 8
AN 2002468781 MEDLINE
DN PubMed ID: 12228718
TI A photoactivatable GFP for selective photolabeling of proteins and cells.
AU Patterson George H; Lippincott-Schwartz Jennifer
CS Cell Biology and Metabolism Branch, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD 20892, USA.

SO Science, (2002 Sep 13) 297 (5588) 1873-7.
Journal code: 0404511. ISSN: 1095-9203.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200210
ED Entered STN: 20020914
Last Updated on STN: 20021008
Entered Medline: 20021004

L4 ANSWER 15 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 9
AN 2002:132535 SCISEARCH
GA The Genuine Article (R) Number: 517PU
TI Subcellular localization of the homocitrate synthase in *Penicillium chrysogenum*
AU Banuelos O; Casqueiro J; Steidl S; Gutierrez S; Brakhage A; Martin J F
(Reprint)
CS Univ Leon, Fac Biol, Area Microbiol, E-24071 Leon, Spain (Reprint); Tech Univ Darmstadt, Inst Mikrobiol & Genet, D-64287 Darmstadt, Germany; Inst Biotechnol INBIOTEC, Leon 24006, Spain
CYA Spain; Germany
SO MOLECULAR GENETICS AND GENOMICS, (JAN 2002) Vol. 266, No. 5, pp. 711-719.
Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA.
ISSN: 1617-4615.
DT Article; Journal
LA English
REC Reference Count: 36
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 16 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:691902 HCAPLUS
DN 138:133799
TI Application of fluorescent protein gene to plant research
AU Niwa, Yasuo
CS Graduate School of Life and Health Science, Shizuoka Prefectural University, Japan
SO Fain Kemikaru (2002), 31(14), 13-22
CODEN: FNKMAU; ISSN: 0913-6150
PB Shi Emu Shi Shuppan
DT Journal; General Review
LA Japanese

L4 ANSWER 17 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2001:427068 BIOSIS
DN PREV200100427068
TI Mutant *Aequorea victoria* fluorescent proteins having increased cellular fluorescence.
AU Pavlakis, George N. [Inventor]; Gaitanaris, George A. [Inventor, Reprint author]; Stauber, Roland H. [Inventor]; Vournakis, John N. [Inventor]
CS Frederick, MD, USA
ASSIGNEE: The United States of America as represented by the Secretary of the Department of Health and Human Services, Rockville, MD, USA
PI US 6265548 July 24, 2001
SO official Gazette of the United States Patent and Trademark Office Patents, (July 24, 2001) Vol. 1248, No. 4. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DT Patent
LA English
ED Entered STN: 12 Sep 2001
Last Updated on STN: 22 Feb 2002

L4 ANSWER 18 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2001-04920 BIOTECHDS
TI Rapid screening method for mycobactericidal activity of chemical germicides that uses *Mycobacterium terrae* expressing a green fluorescent protein gene;
antibiotic screening using bacterium expressing a high-intensity mutant GFP
AU Zafer A A; Taylor Y E; *Sattar S A
CS Univ.Ottawa
LO Center for Research on Environmental Microbiology, Faculty of Medicine, University of Ottawa, 451 Smyth Road, Ottawa, Ontario, K1H 8M5, Canada.
Email: ssattar@uottawa.ca
SO Appl.Environ.Microbiol.; (2001) 67, 3, 1239-45
CODEN: AEMIDF ISSN: 0099-2240

DT Journal
LA English

L4 ANSWER 19 OF 68 MEDLINE on STN DUPLICATE 10
AN 2002009892 MEDLINE
DN PubMed ID: 11355338
TI Four-color flow cytometric detection of retrovirally expressed red, yellow, green, and cyan fluorescent proteins.
AU Hawley T S; Telford W G; Ramezani A; Hawley R G
CS Jerome H. Holland Laboratory for the Biomedical Sciences, American Red Cross, Rockville, MD, USA.
SO BioTechniques, (2001 May) 30 (5) 1028-34.
Journal code: 8306785. ISSN: 0736-6205.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200112
ED Entered STN: 20020121
Last Updated on STN: 20020121
Entered Medline: 20011204

L4 ANSWER 20 OF 68 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 11
AN 2002020670 EMBASE
TI Subcellular localization of the homocitrate synthase in penicillium chrysogenum.
AU Banuelos O.; Casqueiro J.; Steidl S.; Gutierrez S.; Brakhage A.; Martin J.F.
CS J.F. Martin, Area de Microbiologia, Facultad de Biologia, Universidad de Leon, 24071 Leon, Spain. degjmm@unileon.es
SO Molecular Genetics and Genomics, (2001) 266/5 (711-719).
Refs: 36
ISSN: 1617-4615 CODEN: MGG0AA
CY Germany
DT Journal; Article
FS 004 Microbiology
LA English
SL English

=> d 21-30

L4 ANSWER 21 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 12
AN 2001:509495 SCISEARCH
GA The Genuine Article (R) Number: 443RH
TI New green fluorescent protein genes for plant transformation: Intron-containing, ER-localized, and soluble-modified
AU Mankin S L (Reprint); Thompson W F
CS BASF Plant Sci LLC, POB 13528, 26 Davis Dr, Res Triangle Pk, NC 27709 USA (Reprint); N Carolina State Univ, Dept Bot, Raleigh, NC 27695 USA; N Carolina State Univ, Dept Genet, Raleigh, NC 27695 USA; N Carolina State Univ, Dept Crop Sci, Raleigh, NC 27695 USA
CYA USA
SO PLANT MOLECULAR BIOLOGY REPORTER, (MAR 2001) Vol. 19, No. 1, pp. 13-26. Publisher: INT SOC PLANT MOLECULAR BIOLOGY, UNIV GEORGIA, DEPT BIOCHEMISTRY, ATHENS, GA 30602 USA.
ISSN: 0735-9640.
DT Article; Journal
LA English
REC Reference Count: 44
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 22 OF 68 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2002:20884 LIFESCI
TI Mutant Aequorea victoria fluorescent proteins having increased cellular fluorescence
AU Pavlakis, G.N.; Gaitanaris, G.A.; Stauber, R.H.; Vournakis, J.N.
CS The United States of America as represented by the Secretary of the (20010724) . US Patent: 6265548; US CLASS: 530/350.
DT Patent
FS Q4
LA English
SL English

L4 ANSWER 23 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

AN 2000-13509 BIOTECHDS
 TI Mutant of green fluorescent protein brighter than wild-type green
 fluorescent protein useful for monitoring gene expression and protein
 localization;
 the use of mutant Aequorea victoria green fluorescent protein in
 selection of specific cell line
 AU Cormack B P ; Valdivia R H; Falkow S
 PA Univ.Leland-Stanford-Jr.
 LO Palo Alto, CA, USA.
 PI US 6090919 18 Jul 2000
 AI US 1998-135418 17 Oct 1998
 PRAI US 1998-135418 17 Oct 1998
 DT Patent
 LA English
 OS WPI: 2000-531440 [48]

L4 ANSWER 24 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2001:256510 BIOSIS
 DN PREV200100256510
 TI Fluorescent protein sensors for measuring the pH of a biological sample.
 AU Tsien, Roger Y. [Inventor]; Miyawaki, Atsushi [Inventor, Reprint author];
 Llopis, Juan [Inventor]
 CS San Diego, CA, USA
 ASSIGNEE: The Regents of the University of California
 PI US 6140132 October 31, 2000
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Oct. 31, 2000) Vol. 1239, No. 5. e-file.
 CODEN: OGUPE7. ISSN: 0098-1133.
 DT Patent
 LA English
 ED Entered STN: 30 May 2001
 Last Updated on STN: 19 Feb 2002

L4 ANSWER 25 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2000:368929 BIOSIS
 DN PREV200000368929
 TI Mutant Aequorea victoria fluorescent proteins having increased cellular
 fluorescence.
 AU Pavlakis, George N. [Inventor, Reprint author]; Gaitanaris, George A.
 [Inventor]; Stauber, Roland H. [Inventor]; Vournakis, John N. [Inventor]
 CS Rockville, MD, USA
 ASSIGNEE: The United States of America as represented by the Secretary of
 the Department of Health and Human Services
 PI US 6027881 February 22, 2000
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Feb. 22, 2000) Vol. 1231, No. 4. e-file.
 CODEN: OGUPE7. ISSN: 0098-1133.
 DT Patent
 LA English
 ED Entered STN: 30 Aug 2000
 Last Updated on STN: 8 Jan 2002

L4 ANSWER 26 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:821580 HCAPLUS
 DN 134:2321
 TI Fluorescent protein sensors for measuring the pH of a biological sample
 IN Tsien, Roger Y.; Llopis, Juan; wachter, Rebekka M.; Remington, S. James
 PA The Regents of the University of California, USA; The State of Oregon
 Acting by and Through the State Board of Higher Education
 SO U.S., 51 pp., Cont.-in-part of U. S. Ser. No. 94,359.
 CODEN: USXXAM

DT Patent
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6150176	A	20001121	US 1998-172063	19981013
	US 6140132	A	20001031	US 1998-94359	19980609
	WO 9964592	A2	19991216	WO 1999-US12850	19990608
	WO 9964592	A3	20000615		
	W: CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE				
	US 6608189	B1	20030819	US 2000-602641	20000622
	US 6627449	B1	20030930	US 2000-704463	20001031
	US 2003212265	A1	20031113	US 2003-457982	20030609

PRAI US 1998-94359 A2 19980609
US 1998-172063 A 19981013
US 2000-602641 A1 20000622
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 27 OF 68 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
AN 2001-061725 [07] WPIDS
DNN N2001-046253 DNC C2001-017200
TI DNA construct for preparation of fusion product, useful for measuring
cyclic adenosine monophosphate concentrations.
DC B04 D16 S03
IN REYMOND, C D
PA (RMFD-N) RMF DICTAGENE SA
CYC 94
PI WO 2000075332 A2 20001214 (200107)* EN 33 C12N015-31
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ
NL OA PT SD SE SL SZ TZ UG ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
AU 2000050754 A 20001228 (200119)
NO 2001005926 A 20020204 (200223) C12N000-00
EP 1183366 A2 20020306 (200224) EN C12N015-31
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
RO SE SI
CZ 2001004344 A3 20020515 (200241) C12N015-31
US 2002110890 A1 20020815 (200256) C12N009-12
HU 2002001924 A2 20020930 (200272) C12N015-31
JP 2003501095 W 20030114 (200306) 39 C12N015-09
ZA 2001009972 A 20030226 (200321) 55 C12N000-00
US 6573059 B1 20030603 (200339)# C12Q001-48
NZ 515914 A 20040326 (200425) C12N015-31
ADT WO 2000075332 A2 WO 2000-EP5158 20000605; AU 2000050754 A AU 2000-50754
20000605; NO 2001005926 A WO 2000-EP5158 20000605; NO 2001-5926 20011204;
EP 1183366 A2 EP 2000-935172 20000605; WO 2000-EP5158 20000605; CZ
2001004344 A3 WO 2000-EP5158 20000605; CZ 2001-4344 20000605; US
2002110890 A1 Div ex US 2000-586605 20000602, US 2002-119941 20020411; HU
2002001924 A2 WO 2000-EP5158 20000605; HU 2002-1924 20000605; JP
2003501095 W WO 2000-EP5158 20000605; JP 2001-502594 20000605; ZA
2001009972 A ZA 2001-9972 20011204; US 6573059 B1 US 2000-586605 20000602;
NZ 515914 A NZ 2000-515914 20000605; WO 2000-EP5158 20000605
FDT AU 2000050754 A Based on WO 2000075332; EP 1183366 A2 Based on WO
2000075332; CZ 2001004344 A3 Based on WO 2000075332; HU 2002001924 A2
Based on WO 2000075332; JP 2003501095 W Based on WO 2000075332; NZ 515914
A Based on WO 2000075332
PRAI EP 1999-201784 19990604
IC ICM C12N000-00; C12N009-12; C12N015-09; C12N015-31; C12Q001-48
ICS C07H021-04; C07K014-37; C07K014-435; C07K019-00; C12N001-00;
C12N001-20; C12N005-06; C12N015-62; C12P021-02; C12P021-06;
C12Q001-02; C12Q001-42; C12Q001-68; G01N021-78; G01N033-50;
G01N033-58

L4 ANSWER 28 OF 68 MEDLINE on STN DUPLICATE 14
AN 2000384581 MEDLINE
DN PubMed ID: 10846206
TI Quantitative detection of streptococcus pneumoniae cells harbouring single
or multiple copies of the gene encoding the green fluorescent protein.
AU Acebo P; Nieto C; Corrales M A; Espinosa M; Lopez P
CS Centro de Investigaciones Biologicas, CSIC, Velazquez, 144, E-28006
Madrid, Spain.
SO Microbiology (Reading, England), (2000 Jun) 146 (Pt 6) 1267-73.
Journal code: 9430468. ISSN: 1350-0872.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200008
ED Entered STN: 20000818
Last Updated on STN: 20000818
Entered Medline: 20000807

L4 ANSWER 29 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 15
AN 2000:901053 SCISEARCH
GA The Genuine Article (R) Number: 376BK

TI Green fluorescent protein as a visual marker for wheat transformation
 AU Jordan M C (Reprint)
 CS AGR & AGRI FOOD CANADA, CEREAL RES CTR, 195 DAFOE RD, WINNIPEG, MB R3T 2M9, CANADA (Reprint)
 CYA CANADA
 SO PLANT CELL REPORTS, (NOV 2000) Vol. 19, No. 11, pp. 1069-1075.
 Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010.
 ISSN: 0721-7714.
 DT Article; Journal
 FS LIFE; AGRI
 LA English
 REC Reference Count: 27
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 30 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:326866 HCAPLUS
 TI Monitoring intracellular antibiotic resistance using a .beta.-lactamase/EGFP fusion protein.
 AU Puckett, Libby G.; Lewis, Jennifer C.; Daunert, Sylvia; Bachas, Leonidas G.
 CS Department of Chemistry, University of Kentucky, Lexington, KY, 40506-0055, USA
 SO Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March 26-30, 2000 (2000), ANYL-074 Publisher: American Chemical Society, Washington, D. C.
 CODEN: 69CLAC
 DT Conference; Meeting Abstract
 LA English

=> d 31-40

L4 ANSWER 31 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:795961 HCAPLUS
 DN 132:31771
 TI Green fluorescent proteins for measuring intracellular pH in a biological sample
 IN Tsien, Roger Y.; Llopis, Juan; Wachter, Rebekka M.
 PA The Regents of the University of California, USA; University of Oregon
 SO PCT Int. Appl., 89 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964592	A2	19991216	WO 1999-US12850	19990608
	WO 9964592	A3	20000615		
	W: CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 6140132	A	20001031	US 1998-94359	19980609
	US 6150176	A	20001121	US 1998-172063	19981013
	US 2003212265	A1	20031113	US 2003-457982	20030609
PRAI	US 1998-94359	A	19980609		
	US 1998-172063	A	19981013		
	US 2000-602641	A1	20000622		

L4 ANSWER 32 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:718875 HCAPLUS
 DN 131:348774
 TI Tandem fluorescent protein constructs and their preparation for enzyme assays
 IN Tsien, Roger Y.; Heim, Roger; Cubitt, Andrew
 PA The Regents of the University of California, USA; Aurora Biosciences Corporation
 SO U.S., 33 pp., Cont.-in-part of U.S. Ser. No. 594,575.
 CODEN: USXXAM

DT Patent
 LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5981200	A	19991109	US 1997-792553	19970131
	PT 877805	T	20021031	PT 1997-905667	19970131
	ES 2177939	T3	20021216	ES 1997-905667	19970131

US 2003186229 A1 20031002 US 2001-865291 20010524
 US 2002164674 A1 20021107 US 2002-57505 20020125
 PRAI US 1996-594575 A2 19960131
 US 1997-792553 A1 19970131
 US 1999-396003 B2 19990913
 RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 33 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:633361 HCAPLUS
 DN 131:269501
 TI Preparation of ***mutants*** of fluorescent proteins ***GFP*** and
 BFP of Aequorea ***victoria*** to improve their intensity and
 thermostability
 IN Osumi, Takashi; Tsukamoto, Toshiaki; Tsukamoto, Noriyo; Yamazaki,
 Masatoshi
 PA Japan
 SO Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11266883	A2	19991005	JP 1998-375655	19981216
	US 6194548	B1	20010227	US 1998-121539	19980724
	US 2002099170	A1	20020725	US 2001-852000	20010510
PRAI	JP 1998-26418	A	19980123		
	US 1998-121539	A1	19980724		
	US 2000-615655	A3	20000713		

L4 ANSWER 34 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 16
 AN 1999:558470 SCISEARCH
 GA The Genuine Article (R) Number: 215HZ
 TI Phosphorylation and or presence of serine 37 in the movement protein of
 tomato mosaic tobamovirus is essential for intracellular localization and
 stability in vivo
 AU Kawakami S; Padgett H S; Hosokawa D; Okada Y; Beachy R N; Watanabe Y
 (Reprint)
 CS GRAD SCH ARTS & SCI, DEPT LIFE SCI, MEGURO KU, KOMABA 3-8-1, TOKYO
 1538902, JAPAN (Reprint); GRAD SCH ARTS & SCI, DEPT LIFE SCI, MEGURO KU,
 TOKYO 1538902, JAPAN; TOKYO UNIV AGR & TECHNOL, FAC AGR, TOKYO 1830054,
 JAPAN; TEIKYO UNIV, DEPT BIOSCI, SCH SCI & ENGN, UTSUNOMIYA, TOCHIGI
 3200003, JAPAN; BIOSOURCE TECHNOL INC, VACAVILLE, CA 95688; DANFORTH PLANT
 SCI CTR, ST LOUIS, MO 63105
 CYA JAPAN; USA
 SO JOURNAL OF VIROLOGY, (AUG 1999) Vol. 73, No. 8, pp. 6831-6840.
 Publisher: AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW,
 WASHINGTON, DC 20005-4171.
 ISSN: 0022-538X.
 DT Article; Journal
 FS LIFE
 LA English
 REC Reference Count: 47
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 35 OF 68 MEDLINE on STN DUPLICATE 17
 AN 1999269779 MEDLINE
 DN PubMed ID: 10337485
 TI Two-color GFP expression system for C. elegans.
 AU Miller D M 3rd; Desai N S; Hardin D C; Piston D W; Patterson G H; Fleenor
 J; Xu S; Fire A
 CS Vanderbilt University Medical Center, Nashville, TN, USA.
 NC GM37706 (NIGMS)
 MH58332 (NIMH)
 NS26115 (NINDS)
 +
 SO BioTechniques, (1999 May) 26 (5) 914-8, 920-1.
 Journal code: 8306785. ISSN: 0736-6205.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199908
 ED Entered STN: 19990827
 Last updated on STN: 19990827

- L4 ANSWER 36 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 1999-07621 BIOTECHDS
 TI Green fluorescent protein facilitates rapid in vivo detection of
 genetically transformed cells;
 sugarcane, maize, lettuce and tobacco transgenic plant construction by
 Agrobacterium tumefaciens or microprojectile particle
 bombardment-mediated reporter gene transfer
 AU Elliott A R; Campbell J A; Dugdale B; Brettell R I S; *Grof C P L
 CS CSIRO; Univ.Queensland-Technol.; CSIRO-Div.Plant.Ind.
 LO CSIRO Tropical Agriculture, 120 Meiers Road, Indooroopilly, Queensland
 4068, Australia.
 Email: chris.grof@tag.csiro.au
 SO Plant Cell Rep.; (1999) 18, 9, 707-14
 CODEN: PCRPD8 ISSN: 0721-7714
 DT Journal
 LA English
- L4 ANSWER 37 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 18
 AN 1999:714484 SCISEARCH
 GA The Genuine Article (R) Number: 235TG
 TI Construction of a new bacterial cloning vector using a mutant green
 fluorescent protein as an indicator
 AU Dong Y M; Li J D (Reprint); Zhu Z Q
 CS CHINESE ACAD SCI, INST BOT, BEIJING 100093, PEOPLES R CHINA (Reprint);
 CHINESE ACAD SCI, INST BOT, BEIJING 100093, PEOPLES R CHINA
 CYA PEOPLES R CHINA
 SO ACTA BOTANICA SINICA, (MAY 1999) Vol. 41, No. 5, pp. 487-&.
 Publisher: SCIENCE PRESS, 16 DONGHUANGCHENGGEN NORTH ST, BEIJING 100717,
 PEOPLES R CHINA.
 ISSN: 0577-7496.
 DT Article; Journal
 LA Chinese
 REC Reference Count: 14
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS
- L4 ANSWER 38 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 1999-11287 BIOTECHDS
 TI GFPcre fusion vectors with enhanced expression;
 due to recombination with loxP site stimulated by Cre recombinase,
 used to enhance transgene expression
 AU Le Y; Miller J L; *Sauer B
 CS Oklahoma-Med.Res.Found.; Nat.Inst.Diabetes-Dig.Kidney-Dis.Bethesda
 LO Developmental Biology Program, Oklahoma Medical Research Foundation, 825
 NE 13th Street, Oklahoma City, OK 73104, USA.
 Email: sauerb@omrf.ouhsc.edu
 SO Anal.Biochem.; (1999) 270, 2, 334-36
 CODEN: ANBCA2 ISSN: 0003-2697
 DT Journal
 LA English
- L4 ANSWER 39 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 1999-15379 BIOTECHDS
 TI Green fluorescent protein (GFP) as a marker during pollen development;
 tobacco, Arabidopsis thaliana and Antirrhinum majus transgenic plant
 construction via vector plasmid-mediated beta-glucuronidase gene
 transfer using particle bombardment
 AU Ottenschlaeger I; Barinova I; Voronin V; Dahl M; Heberle-Bors E; *Touraev
 A
 CS Univ.Vienna-Inst.Microbiol.Genet.
 LO Vienna Biocenter, Institute of Microbiology and Genetics, Vienna
 University, Dr. Bohrgasse 9, A-1030 Vienna, Austria.
 Email: alisher@gem.univie.ac.at
 SO Transgenic Res.; (1999) 8, 4, 279-94
 CODEN: TRSEES ISSN: 0962-8819
 DT Journal
 LA English
- L4 ANSWER 40 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 19
 AN 1999:23813 SCISEARCH
 GA The Genuine Article (R) Number: 150CQ
 TI Impact of deletion of the Lymantria dispar nucleopolyhedrovirus PEP gene
 on viral potency: Expression of the green fluorescent protein prevents
 larval liquefaction
 AU Bischoff D S (Reprint); Slavicek J M

CS UNIV SO CALIF, SCH MED, AGRIVAX INC, 2250 ALCAZAR ST, LOS ANGELES, CA
90033 (Reprint); US FOREST SERV, NE RES STN, FORESTRY SCI LAB, DELAWARE,
OH 43015

CYA USA

SO BIOLOGICAL CONTROL, (JAN 1999) Vol. 14, No. 1, pp. 51-59.
Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525 B ST, STE 1900,
SAN DIEGO, CA 92101-4495.
ISSN: 1049-9644.

DT Article; Journal

FS AGRI

LA English

REC Reference Count: 28
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

=> d 41-50

L4 ANSWER 41 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

AN 1998-10324 BIOTECHDS

TI New polypeptides for monitoring changes in molecular environment,
especially release of synaptic vesicles;
protein with compartment binding activity and optical signal peptide
to monitor change in molecular environment, e.g. synaptic vesicle
release, drug-loaded liposome delivery, etc.

AU Miesenbock G; Rothman J E; de Angelis D A

PA Mem.Sloan-Kettering-Cancer-Cent.

LO New York, NY, USA.

PI WO 9836081 20 Aug 1998

AI WO 1998-US2774 13 Feb 1998

PRAI US 1997-36805 14 Feb 1997; US 1997-38179 13 Feb 1997

DT Patent

LA English

OS WPI: 1998-457118 [39]

L4 ANSWER 42 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

AN 1998-07449 BIOTECHDS

TI New green fluorescent protein mutants excitable with blue or white light;
recombinant reporter gene expression in host cell

AU Evans K

PA Life-Technol.

LO Rockville, MD, USA.

PI WO 9821355 22 May 1998

AI WO 1997-US21662 17 Nov 1997

PRAI US 1997-970762 14 Nov 1997; US 1996-30935 15 Nov 1996

DT Patent

LA English

OS WPI: 1998-297958 [26]

L4 ANSWER 43 OF 68 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

AN 1998-505643 [43] WPIDS

CR 2000-531440 [41]

DNC C1998-152572

TI DNA encoding mutant green fluorescent pigment proteins - with greater
fluorescence intensity than wild-type proteins, useful for studying gene
expression and protein localisation.

DC B04 D16

IN CORMACK, B P; FALKOW, S; VALDIVIA, R H

PA (STRD) UNIV LELAND STANFORD JUNIOR

CYC 1

PI US 5804387 A 19980908 (199843)* 15 C12Q001-68

ADT US 5804387 A Provisional US 1996-10960P 19960201, US 1997-791332 19970131

PRAI US 1996-10960P 19960201; US 1997-791332 19970131

IC ICM C12Q001-68

ICS C07H021-02; C12N001-20; C12N005-00

L4 ANSWER 44 OF 68 MEDLINE on STN DUPLICATE 22

AN 1998284012 MEDLINE

DN PubMed ID: 9618493

TI Measurement of cytosolic, mitochondrial, and Golgi pH in single living
cells with green fluorescent proteins.

AU Llopis J; McCaffery J M; Miyawaki A; Farquhar M G; Tsien R Y

CS Department of Pharmacology, University of California at San Diego, La
Jolla, CA 92093-0647, USA.

NC CA 58689 (NCI)

NS 27177 (NINDS)

SO Proceedings of the National Academy of Sciences of the United States of

America, (1998 Jun 9) 95 (12) 6803-8.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199807
ED Entered STN: 19980716
Last Updated on STN: 19980716
Entered Medline: 19980709

L4 ANSWER 45 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:265170 HCAPLUS
DN 133:71300
TI The Renilla luciferase-modified GFP fusion protein is functional in transformed cells
AU Wang, Yubao; Wang, Gefu; O'Kane, Dennis J.; Szalay, Aladar A.
CS Center for Molecular Biology and Gene Therapy, School of Medicine, Loma Linda University, Loma Linda, CA, 92350, USA
SO BioHydrogen, [Proceedings of an International Conference on Biological Hydrogen Production], Waikoloa, HI, June 23-26, 1997 (1998), Meeting Date 1997, 493-499. Editor(s): Zaborsky, Oskar R. Publisher: Plenum Publishing Corp., New York, N. Y.
CODEN: 68VGAH
DT Conference
LA English
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 46 OF 68 MEDLINE on STN DUPLICATE 23
AN 1998155838 MEDLINE
DN PubMed ID: 9494734
TI PCR-based method for the introduction of mutations in genes cloned and expressed in vaccinia virus.
AU Lorenzo M M; Blasco R
CS Centro de Investigacion en Sanidad Animal, INIA, Valdeolmos, Madrid, Spain.
SO BioTechniques, (1998 Feb) 24 (2) 308-13.
Journal code: 8306785. ISSN: 0736-6205.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199804
ED Entered STN: 19980422
Last Updated on STN: 19980422
Entered Medline: 19980410

L4 ANSWER 47 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:374614 HCAPLUS
DN 129:146449
TI Microscopic imagery of mammalian cells expressing an enhanced green fluorescent protein gene
AU Kain, Steven R.; Zhang, Guohong; Gurtu, Vanessa; Kitts, Paul A.
CS Cell Biology and Vectorology Group, CLONTECH Laboratories, Palo Alto, CA, USA
SO Methods in Molecular Biology (Totowa, New Jersey) (1998), 102(Bioluminescence Methods and Protocols), 33-42
CODEN: MMBIED; ISSN: 1064-3745
PB Humana Press Inc.
DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 48 OF 68 LIFESCI COPYRIGHT 2004 CSA on STN
AN 1999:44782 LIFESCI
TI Expression of a gene for a modified green-fluorescent protein
AU Ward, W.W.; Chalfie, M.
CS Rutgers, the State University of New Jersey
SO (19980421) . US Patent 5741668; US Class: 435/69.1; 435/8; 435/71.1; 435/172.3; 435/189; 435/252.3; 435/252.33; 435/320.1; 536/23.2..
DT Patent
FS W2
LA English
SL English

L4 ANSWER 49 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:746155 HCAPLUS
 DN 128:46118
 TI Mutant Aequorea victoria fluorescent proteins having increased cellular
 fluorescence
 IN Pavlakis, George N.; Gaitanaris, George A.; Stauber, Roland H.; Vournakis,
 John N.
 PA United States Dept. of Health and Human Services, USA
 SO PCT Int. Appl., 105 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9742320	A1	19971113	WO 1997-US7625	19970507
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 6027881	A	20000222	US 1996-646538	19960508
	CA 2184763	AA	19971109	CA 1996-2184763	19960904
	AU 9728290	A1	19971126	AU 1997-28290	19970507
	AU 734239	B2	20010607		
	EP 900274	A1	19990310	EP 1997-922686	19970507
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2000509987	T2	20000808	JP 1997-540143	19970507
	US 6265548	B1	20010724	US 2000-503222	20000211
PRAI	US 1996-646538	A	19960508		
	WO 1997-US7625	W	19970507		

L4 ANSWER 50 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:318169 HCAPLUS
 DN 126:289007
 TI Green fluorescent protein GFP mutants with increased fluorescence
 intensity, recombinant expression of GFP or fusion proteins, and use for
 assay of metabolic activity such as kinase activity
 IN Thastrup, Ole; Tullin, Soeren; Poulsen, Lars Kongsbak; Bjoern, Sara
 Petersen
 PA Novo Nordisk A/s, Den.; Thastrup, Ole; Tullin, Soeren; Poulsen, Lars
 Kongsbak; Bjoern, Sara Petersen
 SO PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9711094	A1	19970327	WO 1996-DK51	19960131
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AZ, BY, KG, KZ, RU, TJ, TM RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE				
	CA 2232727	AA	19970327	CA 1996-2232727	19960131
	CA 2232727	C	20020326		
	AU 9644829	A1	19970409	AU 1996-44829	19960131
	EP 851874	A1	19980708	EP 1996-900890	19960131
	EP 851874	B1	19990915		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV				
	AT 184613	E	19991015	AT 1996-900890	19960131
	JP 11512441	T2	19991026	JP 1997-512326	19960131
	ES 2139329	T3	20000201	ES 1996-900890	19960131
	US 6172188	B1	20010109	US 1997-819612	19970317
	US 2002107362	A1	20020808	US 2001-872364	20010601
	JP 2004024258	A2	20040129	JP 2003-170625	20030616
PRAI	DK 1995-1065	A	19950922		

JP 1997-512326	A3	19960131
WO 1996-DK51	W	19960131
US 1997-819612	A1	19970317
US 2000-619310	A1	20000719

=> d 50 ab

L4 ANSWER 50 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
 AB The present invention relates to fluorescent proteins derived from green fluorescent protein (GFP) or any functional analog thereof, wherein the amino acid in position 1 preceding the chromophore has been mutated to provide an increase of fluorescence intensity. Mutants include F64L, F64T, F64V, F64A, and F64G as well as any of the previous mutants with an addnl. Y66H substitution. Also a variant contg. both F64L and S65T substitutions is included. The GFP variants have increased fluorescence and can be fused with other proteins for use in assays. An example is GFP fusion product with protein kinase. GFP variant genes are useful as reporters to tag organelles or cells, and to measure kinase, dephosphorylation, or other metabolic activities.

=> d 51-60

L4 ANSWER 51 OF 68 MEDLINE on STN DUPLICATE 24
 AN 97420224 MEDLINE
 DN PubMed ID: 9274728
 TI Adenovirus-mediated expression of green fluorescent protein.
 AU de Martin R; Raidl M; Hofer E; Binder B R
 CS Department of Vascular Biology and Thrombosis Research, University of Vienna, Austria.
 SO Gene therapy, (1997 May) 4 (5) 493-5.
 Journal code: 9421525. ISSN: 0969-7128.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199709
 ED Entered STN: 19971008
 Last Updated on STN: 19971008
 Entered Medline: 19970919

L4 ANSWER 52 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 25
 AN 97:544823 SCISEARCH
 GA The Genuine Article (R) Number: XM528
 TI on/off blinking and switching behaviour of single molecules of green fluorescent protein
 AU Dickson R M; Cubitt A B; Tsien R Y; Moerner W E (Reprint)
 CS UNIV CALIF SAN DIEGO, DEPT CHEM & BIOCHEM 0340, LA JOLLA, CA 92093 (Reprint); UNIV CALIF SAN DIEGO, DEPT CHEM & BIOCHEM 0340, LA JOLLA, CA 92093; AURORA BIOSCI, LA JOLLA, CA 92037; UNIV CALIF SAN DIEGO, DEPT PHARMACOL, LA JOLLA, CA 92093; UNIV CALIF SAN DIEGO, HOWARD HUGHES MED INST 0647, LA JOLLA, CA 92093
 CYA USA
 SO NATURE, (24 JUL 1997) Vol. 388, No. 6640, pp. 355-358.
 Publisher: MACMILLAN MAGAZINES LTD, PORTERS SOUTH, 4 CRINAN ST, LONDON, ENGLAND N1 9XW.
 ISSN: 0028-0836.
 DT Article; Journal
 FS PHYS; LIFE; AGRI
 LA English
 REC Reference Count: 30
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 53 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 26
 AN 97:384995 SCISEARCH
 GA The Genuine Article (R) Number: WY527
 TI 'Green mice' as a source of ubiquitous green cells
 AU Okabe M (Reprint); Ikawa M; Kominami K; Nakanishi T; Nishimune Y
 CS OSAKA UNIV, MICROBIAL DIS RES INST, YAMADAOKA 3-1, SUITA, OSAKA 565, JAPAN (Reprint)
 CYA JAPAN
 SO FEBS LETTERS, (5 MAY 1997) Vol. 407, No. 3, pp. 313-319.
 Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS.
 ISSN: 0014-5793.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 15
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 54 OF 68 MEDLINE on STN DUPLICATE 27
AN 97148031 MEDLINE
DN PubMed ID: 8994663
TI Tracking and quantitation of retroviral-mediated transfer using a completely humanized, red-shifted green fluorescent protein gene.
AU Muldoon R R; Levy J P; Kain S R; Kitts P A; Link C J Jr
CS Gene Therapy Program, HGTRI, Des Moines, IA 50309, USA.
SO BioTechniques, (1997 Jan) 22 (1) 162-7.
Journal code: 8306785. ISSN: 0736-6205.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199703
ED Entered STN: 19970407
Last Updated on STN: 19970407
Entered Medline: 19970325

L4 ANSWER 55 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:377301 BIOSIS
DN PREV199799676504
TI Spectral perturbations of ***mutants*** of recombinant Aequorea ***victoria*** green-fluorescent protein (***GFP***).
AU Gonzalez, D.; Sawyers, A.; Ward, W. W.
CS Dep. Biochemistry Microbiology, Rutgers Univ.-Cook Coll., Lipman Hall, New Brunswick, NJ 08903-0231, USA
SO Photochemistry and Photobiology, (1997) Vol. 65, No. SPEC. ISSUE, pp. 21S.
Meeting Info.: 25th Annual Meeting of the American Society for Photobiology. St. Louis, Missouri, USA. July 5-10, 1997.
CODEN: PHCBAP. ISSN: 0031-8655.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 4 Sep 1997
Last Updated on STN: 4 Sep 1997

L4 ANSWER 56 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:601742 HCAPLUS
DN 125:241378
TI Green fluorescent protein variants with altered fluorescence excitation and/or emission spectra and their use in monitoring of gene expression
IN Tsien, Roger Y.; Heim, Roger
PA The Regents of the University of California, USA
SO PCT Int. Appl., 37 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9623810	A1	19960808	WO 1995-US14692	19951113
	W:	AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 5625048	A	19970429	US 1994-337915	19941110
	CA 2205006	AA	19960808	CA 1995-2205006	19951113
	CA 2205006	C	20010724		
	CA 2343586	AA	19960808	CA 1995-2343586	19951113
	AU 9641550	A1	19960821	AU 1996-41550	19951113
	AU 702205	B2	19990218		
	EP 804457	A1	19971105	EP 1995-939898	19951113
	EP 804457	B1	20010606		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE			
	JP 10509881	T2	19980929	JP 1995-520626	19951113
	EP 1104769	A2	20010606	EP 2001-105011	19951113
	EP 1104769	A3	20020918		

	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE		
PT 804457	T 20010928	PT 1995-939898	19951113
ES 2159650	T3 20011016	ES 1995-939898	19951113
JP 3283523	B2 20020520	JP 1996-520626	19951113
US 5777079	A 19980707	US 1996-753143	19961120
US 6319669	B1 20011120	US 1997-727452	19970320
GR 3036264	T3 20011031	GR 2001-401113	20010724
US 2002123113	A1 20020905	US 2001-24686	20011217
PRAI US 1994-337915	A2 19941110		
CA 1995-2205006	A3 19951113		
EP 1995-939898	A3 19951113		
WO 1995-US14692	W 19951113		
US 1996-727452	A3 19961018		
US 1996-753144	A3 19961120		
US 1998-57995	A1 19980409		

L4 ANSWER 57 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-11520 BIOTECHDS
TI Simultaneous fluorescence-activated cell sorter analysis of two distinct transcriptional elements within a single cell using engineered green fluorescent proteins;
protein engineering for increased brightness; reporter gene transfer to NIH3T3 cell culture
AU Anderson M T; Tjioe I M; Lorincz M C; Parks D R; Herzenberg L A; Nolan G P; *Herzenberg L A
CS Univ.Stanford
LO Department of Genetics, Stanford University School of Medicine, Stanford, CA 94305, USA.
SO Proc.Natl.Acad.Sci.U.S.A.; (1996) 93, 16, 8508-11
CODEN: PNASA6 ISSN: 0027-8424
DT Journal
LA English

L4 ANSWER 58 OF 68 MEDLINE on STN DUPLICATE 28
AN 97113537 MEDLINE
DN PubMed ID: 8955397
TI Use of green fluorescent protein to visualize the early events of symbiosis between Rhizobium meliloti and alfalfa (Medicago sativa).
AU Gage D J; Bobo T; Long S R
CS Department of Biological Sciences, Stanford University, California 94305-5020, USA.
NC GM16211 (NIGMS)
GM30962 (NIGMS)
SO Journal of bacteriology, (1996 Dec) 178 (24) 7159-66.
Journal code: 2985120R. ISSN: 0021-9193.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199701
ED Entered STN: 19970219
Last Updated on STN: 20000303
Entered Medline: 19970122

L4 ANSWER 59 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1997-00039 BIOTECHDS
TI Optimized codon usage and chromophore mutations provide enhanced sensitivity with the green fluorescent protein;
enhanced reporter protein sensitivity and expression in e.g. 293T cell using vector plasmid ps65T-C1, plasmid pGFPmut1-C1 and plasmid pEGFP-C1
AU Yang T T; Cheng L; *Kain S R
CS Clontech-Lab.; Systemix
LO Cell Biology Group, CLONTECH Laboratories Inc., 1020 East Meadow Circle, Palo Alto, CA 94303-4230, USA.
Email: srkain@clontech.com
SO Nucleic Acids Res.; (1996) 24, 22, 4592-93
CODEN: NARHAD ISSN: 0305-1048
DT Journal
LA English

L4 ANSWER 60 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-15144 BIOTECHDS
TI Flow cytometric study of heterologous protein expression synthesis with saccharomyces cerevisiae using the green fluorescent protein;
Aequorea victoria mutant green fluorescent protein gene cloning in a

1-copy plasmid for use as a reporter gene (conference paper)
AU De Wulf P; Brambilla L; Porro D
CS Univ.Milan
LO Dipartimento di Fisiologia Generali, Sezione Biochimica Comparata,
Universita degli Studi di Milano, Via Celoria 26, 20133 Milan, Italy.
SO Meded.Fac.Landbouwwet.Rijksuniv.Gent; (1996) 61, 4A, 1341-48
CODEN: MFLRA3 ISSN: 0368-9697
Applied Biotechnology, 10th Forum, Ghent, Belgium, 26-27 September, 1996.
DT Journal
LA English

=> d 61-68

L4 ANSWER 61 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:273195 HCAPLUS
DN 124:337808
TI Tobacco shining mosaic virus
AU Watanabe, Yuichiro
CS Dep. Biosci., Teikyo Univ., Utsunomiya, 320, Japan
SO Tanpakushitsu Kakusan Koso (1996), 41(6), 786-792
CODEN: TAKKAJ; ISSN: 0039-9450
PB Kyoritsu
DT Journal; General Review
LA Japanese

L4 ANSWER 62 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-07505 BIOTECHDS
TI Use of green fluorescent protein variants to monitor gene transfer and
expression in mammalian cells;
retro virus vector-mediated jellyfish green fluorescent protein mutant
reporter gene transfer and expression monitoring in human fibroblast
AU Cheng L; Fu J; Tsukamoto A; Hawley R G
CS Systemix: Toronto-Hosp.; Univ.Toronto
LO Research Division, SySystemix, Inc., Palo Alto, CA 94304, USA.
Email: lcheng@stem.com
SO Nat.Biotechnol.; (1996) 14, 5, 606-09 ISSN: 1087-0156
DT Journal
LA English

L4 ANSWER 63 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-11005 BIOTECHDS
TI Highly efficient production of GFP and its derivatives in insect cells
for visual in vitro applications;
green fluorescent protein, bright mutant or streptavidin fusion
protein expression in Spodoptera frugiperda or Trichoplusia ni insect
cell culture for use as a fluorescence reagent
AU Oker-Blom C; Orellana A; Keinänen K
CS VTT-Biotechnol.Food-Res.
LO VTT Biotechnology and Food Research, P.O. Box 1500, FIN-02044 VTT Espoo,
Finland.
Email: christian.oker-blom@vtt.fi
SO FEBS Lett.; (1996) 389, 3, 238-43
CODEN: FEBLAL ISSN: 0014-5793
DT Journal
LA English

L4 ANSWER 64 OF 68 LIFESCI COPYRIGHT 2004 CSA on STN
AN 96:91894 LIFESCI
TI Engineering green fluorescent protein for improved brightness, longer
wavelengths and fluorescence resonance energy transfer
AU Heim, R.; Tsien, R.Y.*
CS Howard Hughes Med. Inst. 0647 and Dep. Pharmacol., Univ. California, San
Diego, La Jolla, CA 92093-0647, USA
SO CURR. BIOL., (1996) vol. 6, no. 2, pp. 178-182.
ISSN: 0960-9822.
DT Journal
TC General Review
FS Q4
LA English
SL English

L4 ANSWER 65 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-15634 BIOTECHDS
TI Construction of GFP vectors for use in Gram-negative bacteria other than
Escherichia coli;

mutant green fluorescent protein reporter gene cloning and expression
for use e.g. as a genetically engineered microorganism marker in the
environment

AU Matthyse A G; Stretton S; Dandie C; McClure N C; *Goodman A E
CS Univ.North-Carolina; Univ.South-Australia-Flinders
LO School of Biological Sciences, The Flinders University of South
Australia, GPO Box 2100, Adelaide 5001, Australia.
Email: a.goodman@flinders.edu.au
SO FEMS Microbiol.Lett.; (1996) 145, 1, 87-94
CODEN: FMLED7 ISSN: 0378-1097
DT Journal
LA English

L4 ANSWER 66 OF 68 MEDLINE on STN DUPLICATE 29
AN 96305135 MEDLINE
DN PubMed ID: 8707051
TI Dual color microscopic imagery of cells expressing the green fluorescent
protein and a red-shifted variant.
AU Yang T T; Kain S R; Kitts P; Kondepudi A; Yang M M; Youvan D C
CS Cell Biology Group, CLONTECH Laboratories, Inc., Palo Alto, CA 94303, USA.
NC GM42645 (NIGMS)
SO Gene, (1996) 173 (1 Spec No) 19-23.
Journal code: 7706761. ISSN: 0378-1119.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199609
ED Entered STN: 19960919
Last Updated on STN: 19980206
Entered Medline: 19960911

L4 ANSWER 67 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 30
AN 1995:887988 HCAPLUS
DN 123:309905
TI Recombinant preparation of bioluminescent indicator pre-colenterazine of
Aequorea victoria
IN Ward, William; Chalfie, Martin
PA USA
SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9521191	A1	19950810	WO 1995-US1425	19950203
	W: CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5741668	A	19980421	US 1995-452295	19950526
PRAI	US 1994-192158	A	19940204		

L4 ANSWER 68 OF 68 MEDLINE on STN DUPLICATE 31
AN 1998298494 MEDLINE
DN PubMed ID: 9634755
TI Red-shifted excitation mutants of the green fluorescent protein.
CM Comment in: Biotechnology (N Y). 1995 Feb;13(2):103. PubMed ID: 9678925
AU Delagrave S; Hawtin R E; Silva C M; Yang M M; Youvan D C
CS Palo Alto Institute of Molecular Medicine, Mountain View, CA 94043, USA.
NC GM42645 (NIGMS)
SO Bio/technology (Nature Publishing Company), (1995 Feb) 13 (2) 151-4.
Journal code: 8309273. ISSN: 0733-222X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Biotechnology
EM 199807
ED Entered STN: 19980731
Last Updated on STN: 19980731
Entered Medline: 19980717

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(FILE 'HOME' ENTERED AT 16:37:13 ON 02 JUN 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 16:37:28 ON 02 JUN 2004
L1 2386 S GFP AND VICTORIA
L2 1968 S GFP (5A) VICTORIA
L3 183 S L2 (5A) (MUTA? OR MODIFI? OR VARIANT)
L4 68 DUP REM L3 (115 DUPLICATES REMOVED)

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